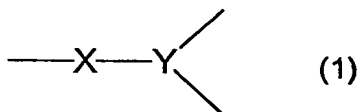


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Claims

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ART 34 AMDT

1. A dendrimer having a branching structure in which repeating units each having a branch portion are repeatedly
5 linked through the divergent method or the convergent method, each of said repeating units having a structure represented by formula (1), and containing a linear portion X formed of an optionally substituted divalent organic group and a branch
10 portion Y formed of an optionally substituted trivalent organic group:



characterized in that the linear portion X contains at least one thienylene moiety and is at least partially conjugated with the branch portion Y.

2. A dendrimer according to claim 1, wherein the
15 portion X included in the repeating unit and serving as a starting point of the branching structure is further bonded to a center moiety serving as a core.

3. A dendrimer according to claim 2, wherein the core
is a group having a valence of at least two to which at least
20 two of the repeating unit can be directly bonded.

4. A dendrimer according to any one of claims 1 to 3, wherein the portion Y included in the repeating unit and serving as an end of the branching structure is bonded to end moieties which are different from the repeating unit.